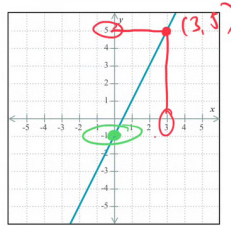


## Algebra /

# Finding inputs and outputs of a function from its graph

### Finding inputs and outputs of a function from its graph

The graph of a function  $f$  is shown below.  
 Find  $f(3)$  and find one value of  $x$  for which  $f(x) = -1$ .



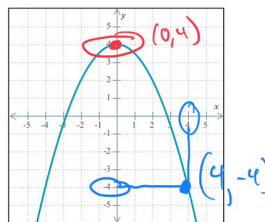
$$f(x) = y \quad (x, y)$$

ⓐ  $x=3$   $y=?$   
 (a)  $f(3) = 5$   $(3, 5)$   $x=?$   $y=-1$   $(0, -1)$   
 (b) One value of  $x$  for which  $f(x) = -1$  : 0

↩ ×

### Finding inputs and outputs of a function from its graph

The graph of a function  $f$  is shown below.  
 Find one value of  $x$  for which  $f(x) = 4$  and find  $f(4)$ .

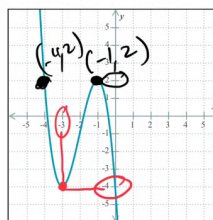


ⓐ  $x=?$   $y=4$   $(0, 4)$   
 (a) One value of  $x$  for which  $f(x) = 4$  : 0  
 (b)  $f(4) = -4$   $(4, -4)$   
 ⓑ  $x=4$   $y=?$

↩ ×

### Finding inputs and outputs of a function from its graph

The graph of a function  $f$  is shown below.  
 Find one value of  $x$  for which  $f(x) = 2$  and find  $f(-3)$ .



ⓐ  $x=?$   $y=2$   $(-1, 2)$  or  $(-3, 2)$   
 (a) One value of  $x$  for which  $f(x) = 2$  : -1  
 (b)  $f(-3) = 2$   $(-3, 2)$   
 ⓑ  $x=-3$   $y=?$

↩ ×